

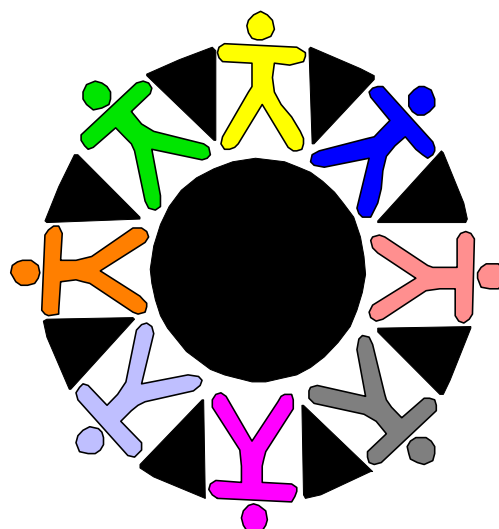
Health Profile 2005

Hopewell, Virginia



Crater Health District

Helping Build
Healthy Communities



Health Profile 2005 - Hopewell, Virginia

**A Report on Community Health Indicators for
The Calendar Years 1996-2003**

Prepared By

**Matthew Killorin, MPH
Health Educator, Crater Health District
Virginia Department of Health**

Sources

**Hospital Discharge Data and Information
Virginia Health Information, Inc. (VHI)**

**Birth and Mortality Data and Information
Virginia Center for Health Statistics**

**HIV /AIDS, and other STDs Data
Division of HIV/STD
Virginia Department of Health**

**Population Data
U.S. Census Bureau**

**For more information on this report or to obtain an
additional copy, contact:**

**Matthew Killorin
Petersburg Health Department
301 Halifax Street
Petersburg, Virginia 23804
Phone: (804) 863-1652 ext 258
Fax: (804) 862-6126**

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An important note regarding rates

Many of the reported occurrences for each locality are less than 20. Because rates based on numbers this size can create a false impression, the Centers for Disease Control and Prevention recommend not calculating incidence rates for fewer than 20 occurrences. To ensure a better understanding of this information, the raw numbers for each locality should be considered.

Population Profile

Demographics	Hopewell	Virginia
2003 Total Population*	22,200	7,364,600
Male	46.7%	49.0%
Female	53.3%	51.0%
Race		
Black	33.5%	19.6%
White	62.3%	72.3%
Hispanic	2.9%	4.7%
Other	4.3%	3.4%
Age		
Median Age	35.0years	35.7years
65 years and over	14.6%	11.2%

*Estimated population- Weldon Cooper Center, University of Virginia

Economics	Hopewell	Virginia
Median Family Income	\$38,043	\$54,169
Percent of Families Below Poverty Level	12.5%	7.0%
Unemployment Rate*	6.0%	3.0%

*December 2004, Virginia Employment Commission

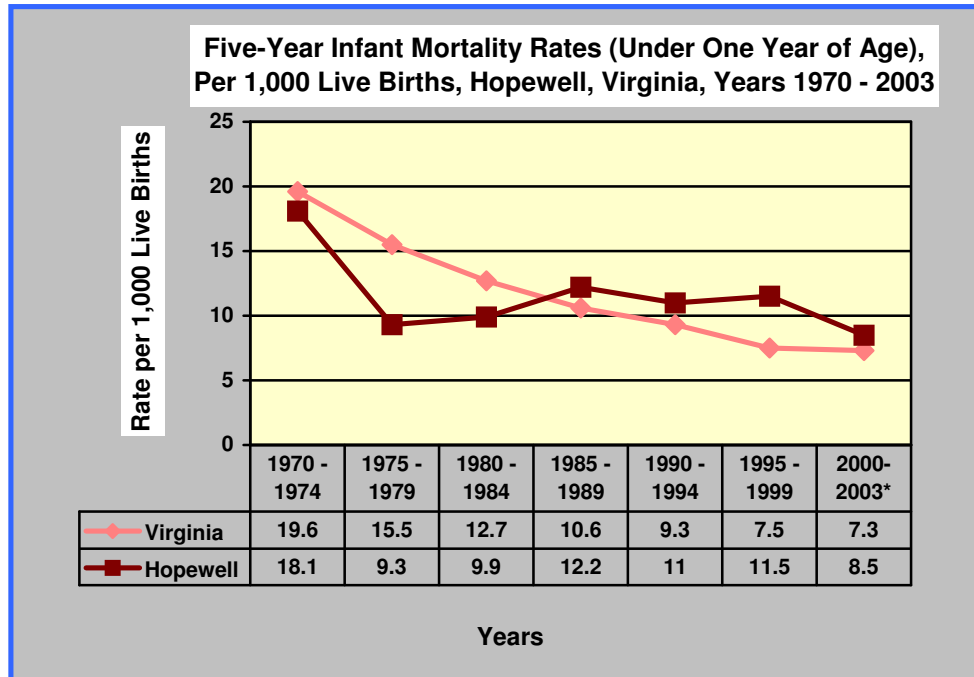
Education and income levels are often related to the health of communities. Overall, the less education a person has, the less likely they are to seek medical care and to make healthy lifestyle choices.

Education (population 25 years and older)	Hopewell	Virginia
Less than 9th Grade	9.0%	7.2%
High School Graduate (includes equivalency) or Higher	71.8%	81.5%
Bachelor's Degree or Higher	10.2%	29.5%

Hopewell has the second highest percentage of high school graduates in the Crater District.

Source: U.S. Bureau of the Census, Census 2000

Infant Mortality



After a sharp decline in the late 1970's, the Hopewell infant death rate has not changed significantly since 1985.

The U.S. infant death rate in 2001 (the most recent year for which national data is available) was 6.9 per 1,000 live births.

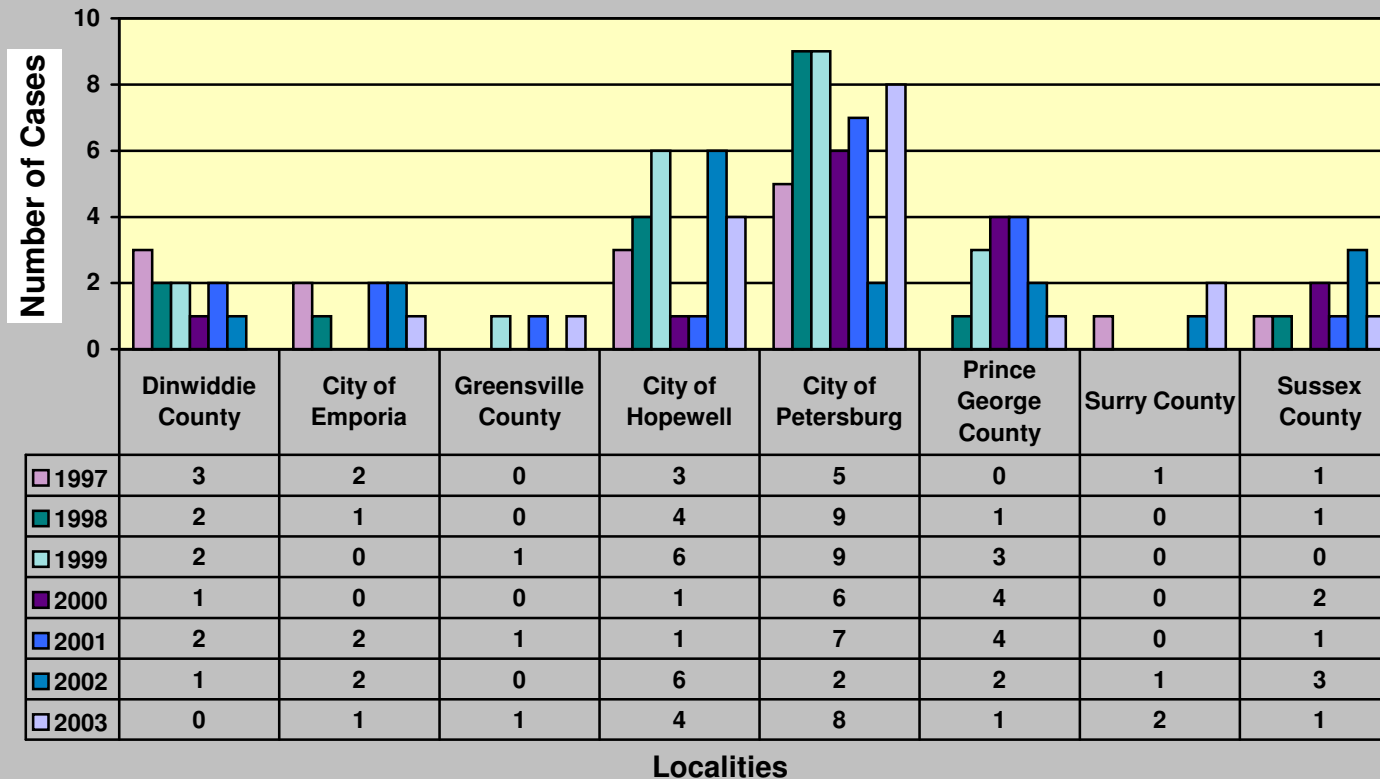
*4 year period

Infant Mortality - Year 2003 - Ranked by Rates- Highest to Lowest		
Locality	Cases	Rate / 1,000 Live Births
Surry County	2	28.2
Emporia	1	16.4
Petersburg	8	14.7
Hopewell	4	11.8
Sussex County	1	8.8
Greensville County	1	7.9
Prince George County	1	2.6
Dinwiddie County	0	0.0
Crater Health District	18	9.6
Virginia	766	7.6

In 2003, there were 4 infant deaths in Hopewell- for a rate of 11.8 per 1,000 live births.

Infant Mortality

**Infant Deaths (Under One Year of Age)
Number of Cases in the Crater Health District 1997-2003**

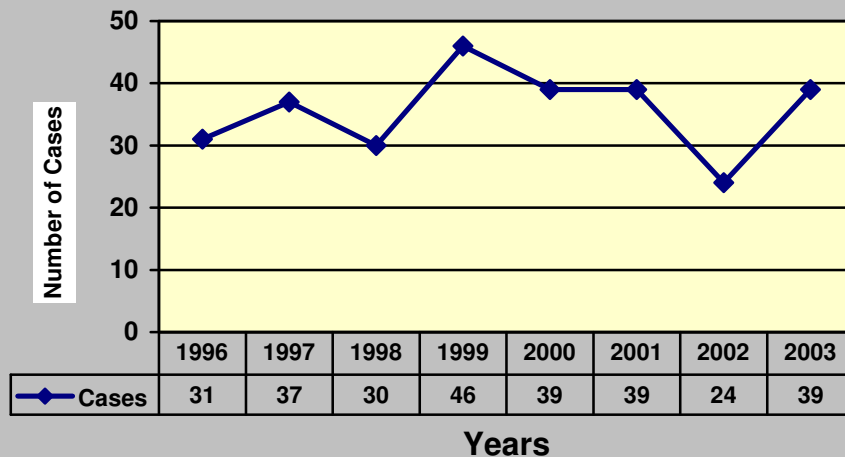


Between 1997 and 2003, Hopewell recorded 25 infant deaths- the second highest total in the Crater District.

Infant mortality, or the death of a child before his or her first birthday, is associated with a variety of factors such as the health of the mother, access to medical care, and socioeconomic conditions. Some ways to prevent infant deaths include: women in their reproductive years (including those who are pregnant or between pregnancies) eating a folate-rich diet; making sure infants sleep on their back; and reducing stress at home and work.

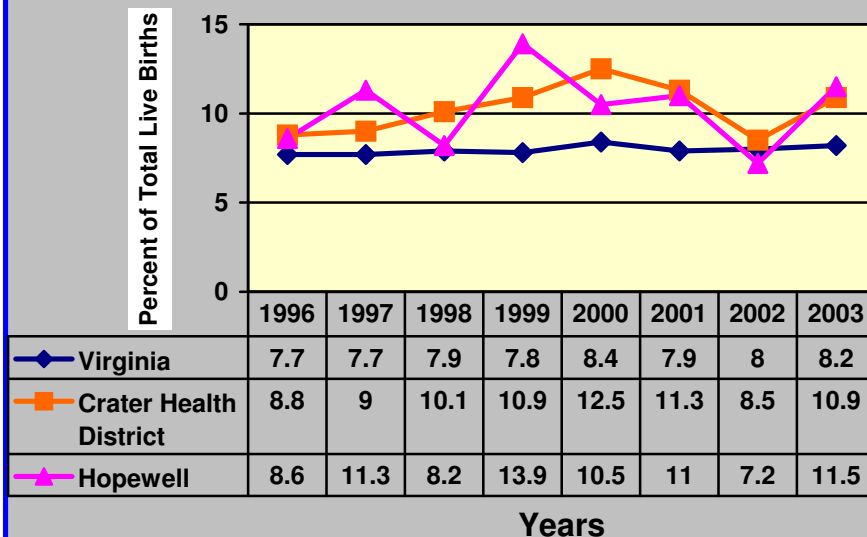
Low Weight Births

Low Weight Live Births (under 5.5 lb), Number of Cases in Hopewell, Virginia, 1996-2003



Low-birthweight babies made up 11.5 percent of all live births to Hopewell residents in the year 2003. In Virginia, the percentage for 2003 was 8.2.

Low Weight Live Births (under 5.5 lb.), Percent of Total Live Births by Place of Residence, Hopewell, Virginia, 1996-2003



In 2001 (the most recent year for which national data is available), 6.7 percent of U.S. live births were under 2500 grams, or about 5.5 pounds.

Low-birthweight babies have a higher risk of getting sick and dying during infancy and childhood. Women who smoke, drink alcohol, and use drugs while pregnant, and who don't get adequate medical care are at risk of having a low-birth weight baby.

Low Weight Births / Infant Mortality

Crater Health District Programs

Maternal and Child Health Nutrition

- Registered Dietician is available for counseling at the Hopewell Health Department maternity clinic.
- R.D. counsels all prenatal clients attending maternity clinic about the importance of healthy eating during pregnancy.
- Pregnant women who are overweight or underweight and/or have inadequate weight gain are targeted for intensive nutritional counseling and follow up on a more frequent basis.
- Nutritionist helps eligible clients complete the Women, Infants, and Children (WIC) program certification.

Women, Infants, and Children Supplemental Feeding Program

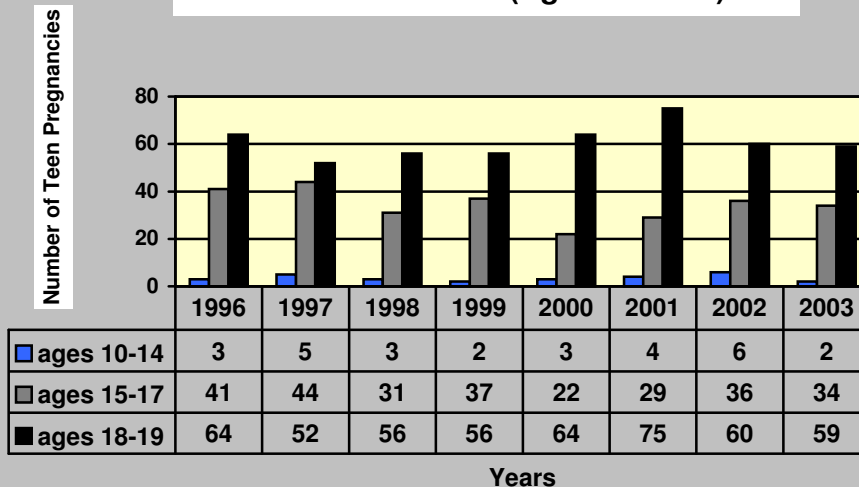
- Provides supplemental food to children from birth to age 5 years and to pregnant and breast-feeding women.
- Eligibility is based on financial need as well as medical and/or nutritional need.

Hopewell Health Department

- Provides comprehensive prenatal care including periodic physical exams, lab testing, assessment of weight and blood pressure, and nutritional counseling.

Teen Pregnancy

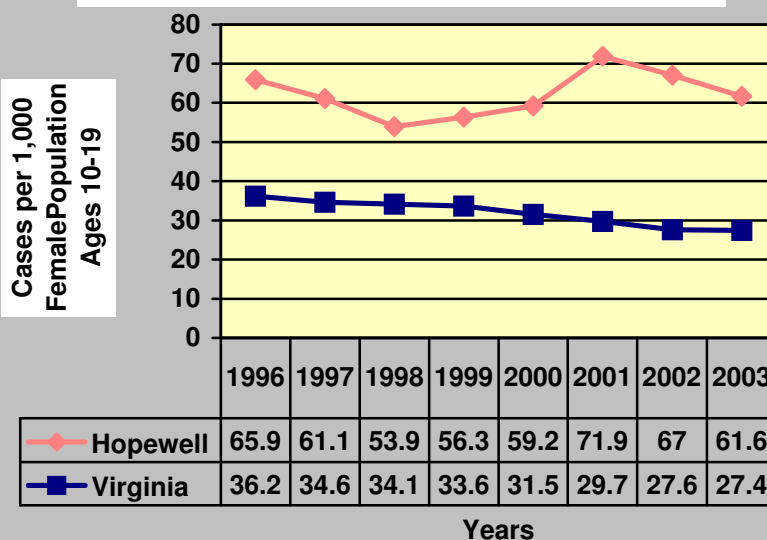
**Teen Pregnancy Cases, Hopewell, Virginia
Years 1996 - 2003 (Ages 10 to 19)**



The total number of teen pregnancies to Hopewell residents decreased from 108 in 1996 to 95 in 2003. Pregnancies among 15 to 17 year-olds increased from 22 in 2000 to 34 in 2003.

Hopewell's total teen pregnancy rate increased slightly between 1996 and 2003. During that period, Hopewell's rate was approximately 2 times higher than Virginia's.

**Teen Pregnancy Rates, Hopewell, Virginia
Years 1996-2003 (Ages 10-19)**



Pregnant teens often do not get adequate medical care, which can result in health problems for themselves and their babies. Babies born to teen mothers are at high risk for having a low birth weight and being victims of abuse and neglect.

<i>Crater Health District - Teen Pregnancy – Year 2003 Ranked by Rates- Highest to Lowest</i>		
Locality	Cases	Rate / 1,000 Females Age 10-19
Petersburg	201	87.1
Hopewell	95	61.6
Emporia	23	56.4
Sussex County	27	41.9
Dinwiddie County	43	25.3
Greensville County	14	23.2
Prince George County	58	21.3
Surry County	10	19.2
Crater Health District	471	45.0
Virginia	13,665	27.4

Hopewell's teen pregnancy rate in 2003 was the second highest in the Crater District and was nearly twice that of Virginia.

Teen Pregnancy

Crater Health District Programs

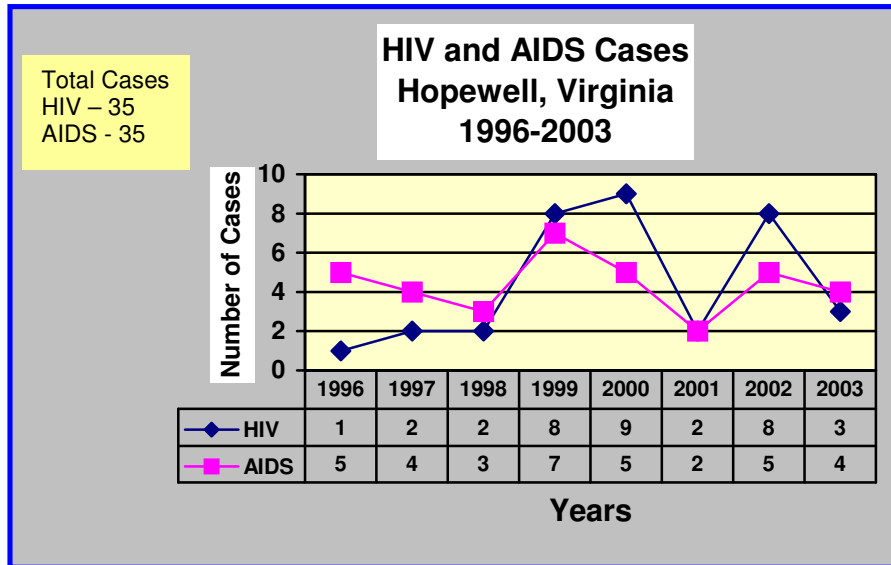
Family Planning

- Provides physical examinations, and counseling regarding methods of birth control and sexual responsibility.
- Provides counseling to minors regarding sexual coercion, abstinence, and parental involvement in decision-making.
- Provides birth control method of choice.
- Services are by appointment. Charges for services are on a sliding scale fee basis. Minors (under age 18) may be eligible for free services.

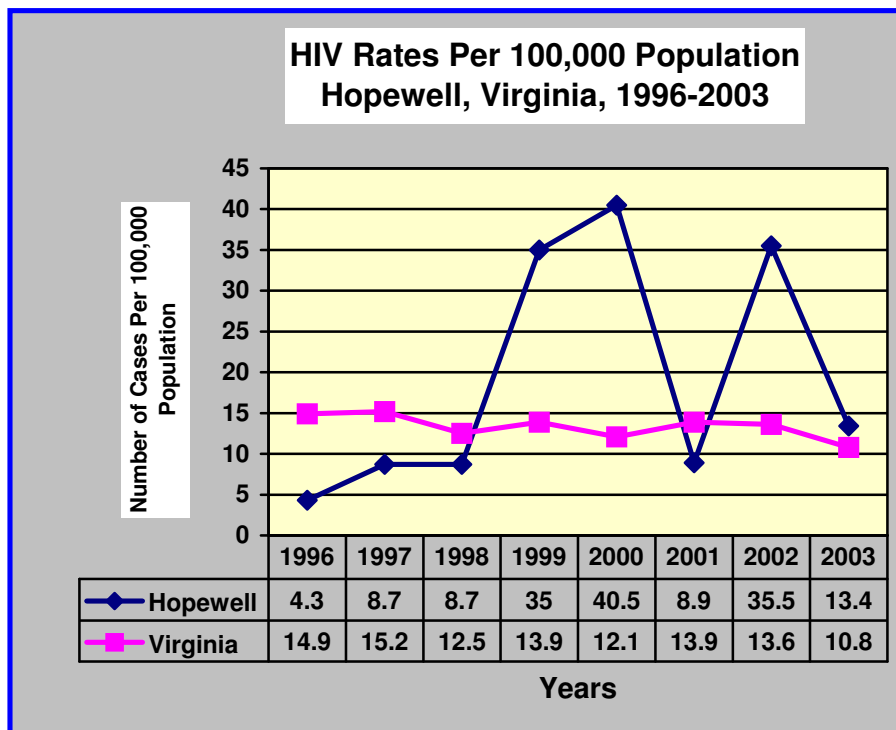
Teen Pregnancy Prevention Program

Acts as fiscal agent for funds from Virginia Department of Health targeting programs to reduce teen pregnancy rates. Collaborates with community coalitions, agencies and groups to promote abstinence as a primary means of delayed parenthood.

HIV, AIDS, and Other Sexually Transmitted Diseases



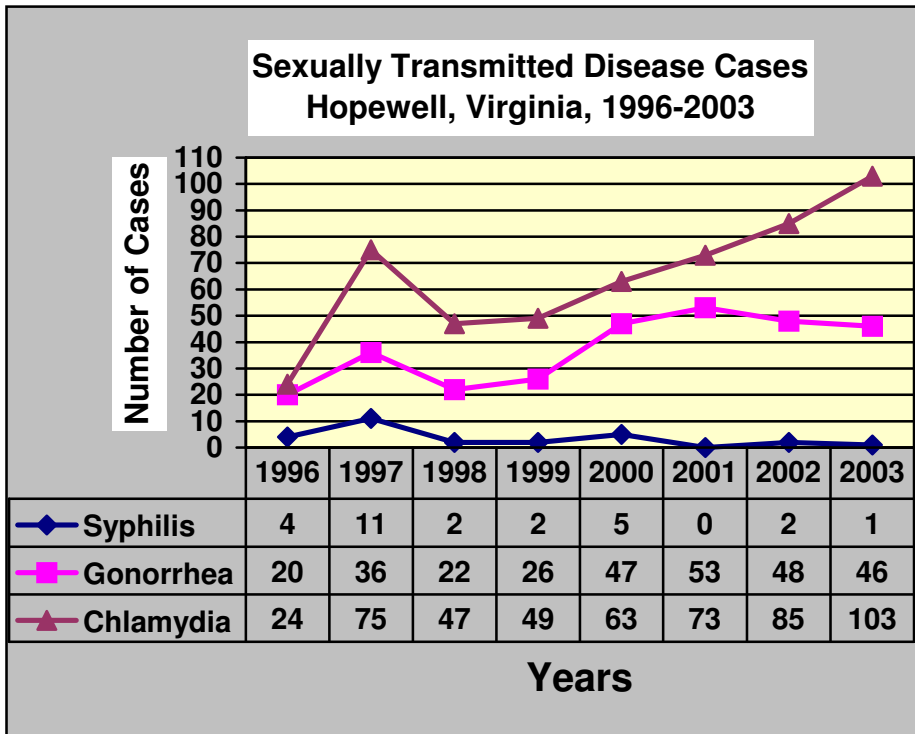
Since 1989, the highest numbers of cases of HIV/AIDS in the Crater Health District have occurred in the cities of Petersburg, Hopewell, and Emporia.



Hopewell's HIV rate increased in 2002, but decreased the following year to about 13 cases per 100,000 people.

*Please note- Because the number of Hopewell HIV cases is below 20, caution should be used in making comparisons with other localities.

Sexually Transmitted Diseases



Between 1997 and 2003, there was a decrease in the number of reported syphilis cases in Hopewell. During that same period, however, there was a steady increase in the number of gonorrhea and chlamydia cases.

**STD Rates
(per 100,000 people) 2003**

	Hopewell	VA
Gonorrhea	205.4	122.6
Chlamydia	460.0	263.1

In 2003, Hopewell's gonorrhea and chlamydia rates were higher than those of Virginia (see table above).

In 2003, the Crater Health District recorded some of the highest rates of sexually transmitted diseases (STDs) in the Commonwealth. Of the 35 health districts in Virginia, Crater's rate per 100,000 people ranked in the top ten for HIV, AIDS, syphilis, gonorrhea, and chlamydia. The table below shows the Crater District's ranking for 2003.

Crater Health District Rankings Sexually Transmitted Disease Rates*- Year 2003

<u>Disease</u>	<u>Rate/100,000 people</u>	<u>District Ranking (35 districts)</u>
HIV	26.5	6th
AIDS	25.8	4th
Syphilis	15.2	7th
Gonorrhea	218.7	9th
Chlamydia	476.6	8th

HIV, AIDS, and Other Sexually Transmitted Diseases

Crater Health District Programs

Hopewell Health Department

- Goals: To eliminate high-risk behaviors through awareness and education activities. To encourage collaboration between communities and agencies in order to provide support, resources, referrals, and information to assist individuals infected and affected by HIV and AIDS.
- Provides free confidential HIV diagnostic testing and counseling.
- Provides diagnosis and treatment of other STDS.
- Provides education and counseling aimed at the prevention and spread of diseases.

Environmental Health

<i>Infectious Diseases (1996-2002)</i>	Cases Reported
E. Coli	1
Salmonellosis	31
Shigellosis	6

Prevention of these diseases is linked to having clean water, and proper hygiene and food handling.

National air quality standards met by city*(2003)

Carbon Monoxide	Nitrogen Dioxide	Sulfur Dioxide	Ozone	Particulate Matter	Lead
Yes	Yes	Yes	**	Yes	Yes

* Virginia Department of Environmental Quality

**One Hour Ozone Maintenance Area

Central Virginia is designated by the Environmental Protection Agency as an area at risk for unhealthy ground-level ozone (a pollutant that forms when industrial, household, and motor vehicle emissions react with sunlight and high temperatures).

Lead – Elevated Levels in Children

Number of Cases (1996-2003) 49

Virginia law requires reporting to the health department any child age 15 years and younger, with a venous blood lead level greater than 10 micrograms per deciliter (µg/dl).

Rabies in Animals – Ranked by Total Confirmed Cases Highest to Lowest (1996-2003)

Prince George County	33
Dinwiddie County	23
Sussex County	18
Greensville County / Emporia	17
City of Hopewell	12
City of Petersburg	9
Surry County	6
Crater Health District	118
Virginia	4,642

Three cases of animal rabies were reported in Hopewell in 2001. No cases were reported the following two years.

Environmental Health Services

The Hopewell Health Department conducts regular inspections and complaint investigations of all types of food service establishments. Staff also conduct food manager certification courses and basic food safety courses.

Other important services include:

Participation in sheltering/disaster operations

West Nile virus prevention

Well and septic tank inspections and permits

Soil evaluations/inspection

Rabies prevention, including:

- Specimen testing
- Animal bite investigations/management
- Sponsored rabies vaccination clinics with Animal Control

Motel/hotel inspections- swimming pool inspections

Health hazard and general environmental complaint investigation

<u>Major Services Provided in 2004</u>
<u>Food Service</u>
<u>Inspections, follow-ups, and consults- 448</u>
<u>Rabies Control</u>
Specimen tests - 10
Animal bite investigations/management- 206
<u>Other Investigations, Inspections, Follow-ups, and Consults</u>
Motels and hotels- 15
Swimming pools- 8
Weed, trash, refuse and general- 21
Grocery store inspections- 22

Leading Causes of Death

Hopewell
2003

Cause	Number	Rate*	VA Rate*
Heart Disease	71	317.1	198.9
Cancer	57	254.6	185.4
Stroke	21	93.8	53.0
Chronic Lower Respiratory Disease	16	71.5	40.2
Unintentional Injury	10	44.7	34.6
Diabetes	7	31.3	21.4
Septicemia	5	22.3	17.2
Influenza / Pneumonia	4	17.9	20.8
Alzheimer's Disease	4	17.9	19.8
Kidney Disease	4	17.9	16.7
Suicide	3	13.4	10.8
Homicide and Legal Intervention	2	8.9	6.2

*age-adjusted rates per 100,000 population

The top three killers in Hopewell are the same as those for the entire U.S.- heart disease, cancer, and stroke. The risk of dying from these diseases can be lowered through lifestyle choices such as not smoking, eating a low-fat diet, and engaging in regular physical activity. The city's fourth leading cause of death, chronic lower respiratory disease, can refer to a number of conditions such as chronic bronchitis, asthma, and emphysema.

Heart Disease

Crater Health District Programs

Cardiovascular Risk Reduction Program

- Conducts cardiovascular disease (CVD) risk screenings at worksites, churches, and community events through out Hopewell.
- Counsels at-risk individuals regarding healthy lifestyle choices that may lower their risk of CVD.
- Provides blood pressure measurement certification courses for health care providers and volunteer BP screeners.
- Develops, implements, and monitors health “challenges” for local worksites.

16
Hospital Discharges
(Ambulatory Sensitive Conditions)
Hopewell
2000
 (2003 report pending as of January 2005)

<i>Condition</i>	Number	Rate*	VA Rate*
Psychoses	414	1756.9	501.9
Diabetes	86	365.0	157.3
Asthma	69	292.8	123.6
Hypertension	6	25.5	22.8
Extreme Prematurity / Respiratory Distress Syndrome	4	16.9	6.5

*hospital discharges per 100,000 population

Definitions

Ambulatory Sensitive Conditions- conditions that can be prevented with consistent, available ambulatory care and good patient compliance with treatment/self-care protocols. Hospital admissions may indicate access issues (e.g. lack of insurance), or few options for service, or the presence of social issues that can influence patient adherence (e.g. homelessness, inconsistent caregivers).

Asthma- a chronic, potentially life-threatening disease of the lungs, most often seen in children and young adults.

Hypertension- also called high blood pressure, it directly increases the risk of coronary heart disease (which leads to heart attack) and stroke, especially along with other risk factors.

Diabetes- a disease in which the body does not produce or properly use insulin, a hormone that is needed to convert sugar, starches, and other food into energy.

Psychoses- any one of a number of mental disorders without a clearly defined physical cause or structural change in the brain. Characterized by abnormal and /or antisocial behavior.

Extreme Prematurity / RDS- severe breathing impairment of premature newborns due to underdevelopment of the lungs. The leading cause of death of premature infants in the U.S.

Hopewell Health Department Services

220 Appomattox Street
Hopewell, Virginia 23860
Telephone: (804) 458-1297 Fax: (804) 541-3023
<http://www.vdh.state.va.us/LHD/crater/hopewell.asp>

Childhood Immunizations

- Walk-in clinics are held every Tuesday, from 1:00 to 3:30PM. There is no charge for routine childhood immunizations.
- Parent or guardian must accompany children under age 18.
- Must bring history/record of immunizations.
- Petersburg Health Department follows the schedule of immunizations recommended by the Centers for Disease Control and Prevention (CDC).

Special school based immunization clinics are provided periodically.

Childhood Lead Poisoning

- Children under six years of age who are at risk of lead poisoning are referred to their primary care provider for lead testing.
- A health educator offers case management and educational services to families of children with elevated lead levels.

Communicable Disease

- Foodborne illness investigations.
- Vaccine preventable disease investigations.
- Tuberculosis screening and tuberculin skin testing.
- Tuberculosis treatment and follow-up including directly observed medication therapy in the patient's home.
- Tuberculosis contact investigations.
- Education for individuals and the community.
- Disease specific counseling.
- Community resource referrals.

Sexually Transmitted Disease Services (STD)

- Medical services including diagnosis and treatment.
- Education and counseling.

HIV Services

- Free confidential testing and counseling.
- Anonymous testing sites can be accessed by calling the Virginia Department of Health and AIDS Hotline at 1-800-533-4148. Free anonymous testing is available in Petersburg by appointment only (804) 732-7261.

Medication assistance for protease inhibitors, antiretrovirals, etc., is available based on eligibility criteria through the AIDS Drug Assistance Program (ADAP) administered by the Virginia Department of Health.

Crater Child Development Clinic

(2002 Wakefield Ave., Petersburg, VA 23805)

The Crater Child Development Clinic is operated to serve children, from birth to 21 years, suspected of having problems such as:

- Developmental delays.
- Developmental disorders associated with sensory or physical disabilities.
- Disorders of attention and hyperactivity.
- Learning problems.
- Emotional and behavioral concerns.
- Mental retardation.

Services are available by appointment (804) 862-6186.

Family Planning

Provides physical examinations, counseling regarding methods of birth control, sexual responsibility, risk reduction and prevention for sexually transmitted diseases (STDs) and AIDS. Instruction on breast self exams. Birth control method of choice is provided. Persons under 18 may be eligible for free services.

Environmental Health Services

Restaurant inspections and permits.

- Includes food service establishments, schools, temporary food events, child care centers, summer camps, adult homes and nursing homes.
- Complaint investigation.

Food manager certification courses.

Basic food safety courses.

Well and septic tank inspections and permits.

- Permitting (Well fee - \$77.50 / Septic fee - \$112.50).
- Soil evaluations/inspection.

Rabies prevention.

- Specimen testing.
- Animal bite investigations/management.
- Sponsored rabies vaccination clinics with animal control.

Motel/Hotel inspections--swimming pool inspections.

Health hazard and general environmental complaint investigation.

Vital Records

Provides information and forms to utilize in securing birth certificates and establishments of paternity.
Issues death certificates for all deaths occurring in the county.
Death certificates cost **\$10** per certified copy.
Birth certificates can be obtained through the [Office of Vital Records](#) in Richmond. There is a **\$10** charge per copy.

Health Promotion/Community Outreach

Cardiovascular Risk Reduction Program

Provides health screenings (including blood pressure and cholesterol) in the community or at worksites to help assess an individual's coronary risk status. Educational programs which focus on changing lifestyle behaviors are an important component of the program.

Breast/Cervical Cancer Awareness Program

- Promotion of early detection.
- Group education programs.
- Health fairs.

Community Activities

- Health education/public awareness programs.
- School based health information/education programs.
- Health fairs.

Nursing Home Screening

- Preadmission screening process for individuals seeking Medicaid coverage of long term care services. Requests for screenings need to be made through the Department of Social Services.
- In home assessment by a registered nurse and a social worker.
- Identification of local community resources.